Molybdenum Cofactor Biosynthesis Protein A (moaA) Synechococcus Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Molybdenum cofactor biosynthesis protein A (moaA), Recombinant Protein
Full Product Name	Recombinant Synechococcus sp. Molybdenum cofactor biosynthesis protein A (moaA)
Product Gene Name	moaA recombinant protein
Product Synonym Gene Name	moaA
Sequence	MSPAPPPVDQ WFRPFGVLRL SLTARCNLAC PYCCPDSEEL PGLMRLDQQV RLVRVACGLG VHTLRLTGGE PLLSDRLLPL LEALAAGRSN AADPLARLQE VALTTNGVLL TPEKALALRA AGLDRITVSL DALEGGVVAT MAGLRGGQRA GERLVEQVLG GLSAARRAGF EPASGGLKLN AVMRRGLNDS QLLPLATLAR ERGVELRLIE YMDVGNRNGW APDQVISAAE MVQRIDARWP LRPLPRESGA TSRRWSYADG RGRIGTIASI TEPFCGDCNR LRVTADGQAF TCLFASEGTD LRPFLHSEET LEAVVRGLWQ QRRDRYSEER QGFTASAPHA EMAYLGG
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	37,603 Da
Sequence Positions	1-347, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9EYN8
Species	Synechococcus sp. (strain WH7803)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for moaA recombinant protein	MBS1337524 is a recombinant protein targeting moaA. Also known as Recombinant Synechococcus sp. Molybdenum cofactor biosynthesis protein A (moaA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of moaA recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for moaA. It may not necessarily be applicable to this product.

NCBI GI #	500467529
NCBI Accession #	WP_011934363.1
UniProt Primary Accession #	Q9EYN8
UniProt Secondary Accession #	A5GPN9

GenBank Nucleotide #	WP_011934363.1
NCBI Official Full Name	cyclic pyranopterin monophosphate synthase
UniProt Protein Name	GTP 3',8-cyclase
UniProt Synonym Protein Names	Molybdenum cofactor biosynthesis protein A
Protein Family	Cyclic pyranopterin monophosphate synthase
UniProt Gene Name	moaA
UniProt Comments for moaA	Catalyzes the cyclization of GTP to (8S)-3',8-cyclo-7,8-dihydroguanosine 5'-triphosphate.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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